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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,463	02/09/2004	Shinichiro Mori	1046.1310	3598
21171 STAAS & HA	7590 02/25/2008		EXAMINER	
SUITE 700			GARY, ERIKA A	
1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
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			MAIL DATE	DELIVERY MODE
			02/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Summary	10/773,463	MORI, SHINICHIRO			
Office Action Guilliary	Examiner	Art Unit			
The MAILING DATE of this communication app	Erika A. Gary	2617			
Period for Reply	lears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 2/14/					
·	,				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
closed in accordance with the practice under E	x parte Quayle, 1955 C.D. 11, 45	33 O.G. 213.			
Disposition of Claims					
4) ⊠ Claim(s) <u>2-6</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>2-6</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/o					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 1.	epted or b) objected to by the l drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	ate			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 2-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vannatta et al., US Patent Number 5,649,306 (hereinafter Vannatta) in view of Chiang et al., US Patent Application Publication Number 2004/0046694 (hereinafter Chiang).

Regarding claim 2, Vannatta discloses a mobile terminal comprising: a first antenna as an omnidirectional antenna; a second antenna as directional antenna; and a switching unit for switching over the antenna for receiving; a printed circuit board mounted with the first antenna and the second antenna; a first box body holding the printed circuit board; and a second box body rotatably secured to the first box body [abstract; col. 4: lines 41-62; col. 7: line 48 – col. 8: line 9].

Vannatta does not expressly disclose wherein the first antenna is provided in the vicinity of a front edge portion on the side opposite to the securing side of the first box body on the printed circuit board, and the second antenna is provided on an flip side of a surface facing the second box body on the printed circuit board when the first box body and the second box body are folded together so as to set a directional antenna pattern to face away from a human body when the mobile terminal is kept next to the human body in a folded state in which a flip side surface of the second box body facing

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the first box body also faces the human body. However, Chiang teaches this limitation [paragraphs 0019, 0020, 0051, 0061, 0065].

At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Vannatta to include Chiang in order to have greater range of beam patterns as suggested by Chiang [paragraph 0019].

Regarding claim 3, Vannatta discloses wherein the switching unit switches over the receiving antenna, corresponding to whether the first box body and the second box body are in a folded state or in an unfolded state [col. 7: line 48 – col. 8: line 9].

Regarding claim 4, Vannatta discloses wherein the switching unit, in the case of the folded state, switches over the receiving antenna to the second antenna and, in the case of the unfolded state, switches over the receiving antenna to the first antenna [col. 7: line 48 – col. 8: line 9].

Regarding claim 5, Chiang discloses wherein the switching unit switches over the receiving antenna in accordance with a receiving sensitivity [paragraphs 0020, 0052, 0068, claim 19].

Regarding claim 6, Chiang discloses wherein the switching unit, when a specified receiving sensitivity is not obtained during a receipt by the first antenna, switches over to the receipt by the second antenna [paragraphs 0020, 0052, 0068, claim 19].

Response to Arguments

3. Applicant's arguments filed 2/14/08 have been fully considered but they are not persuasive. Applicant has amended the independent claim to include that the

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directional pattern faces away from a human body when the mobile terminal is kept next to the human body in a folded state. However, previously applied prior art, Chiang et al., teaches this limitation as discussed above.

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Campana, Jr., US Patent Number 5,714,937, discloses an omnidirectional and directional antenna assembly.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erika A. Gary whose telephone number is 571-272-7841. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EAG

February 17, 2008

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